

Application No.: 10/723,624

Docket No.: 65858-0029

**AMENDMENTS TO THE SPECIFICATION**

The Specification is amended as follows:

[0083] Figure 6 shows the process by which the present invention uses Principal Component analysis (PCA). PCA is a well known technique, described in a plethora of literature, including the articles "Principal Component Analysis Methods" and "Discriminant Analysis, The PCA/MDR Method", both found on the website of Thermo Galactic of Salem, New Hampshire at "[www.galactic.com/Algorithms/pea.htm](http://www.galactic.com/Algorithms/pea.htm)" and "[www.galactic.com/Algorithms/discrim\\_pea.htm](http://www.galactic.com/Algorithms/discrim_pea.htm)" respectively and incorporated by reference herein. Both of the foregoing documents were published to the world wide web by Thermo Galactic of Salem, New Hampshire, and may be found by accessing its web site. PCA is also explained in the following, all of which are incorporated by reference herein: Michael Palmer, "Principal Component Analysis" found published on the world wide web at the web site of the Department of Botany of the Oklahoma State University "[www.okstate.edu/artsci/botany/ordinate/PCA.htm](http://www.okstate.edu/artsci/botany/ordinate/PCA.htm)"; StatsSoft, Inc., "Principal Components and Factor Analysis" found published on the world wide web at the web site of "[www.statsoftinc.com/textbook/stfacan.html](http://www.statsoftinc.com/textbook/stfacan.html)" StatSoft, Inc. of Tulsa, Oklahoma; "Principal Component Analysis" found published on the world wide web at the web site of CasaXPS. "[www.casaxps.cwc.net/FactorAnalysis.htm](http://www.casaxps.cwc.net/FactorAnalysis.htm)". Because PCA is well known, it will be described herein only to the extent necessary to explain how PCA is applied in the context of the present invention.